



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET  
ATLANTA, GEORGIA 30303-8960

Date: October 24, 2011

To: Whom It May Concern

Re: **Utilization of wastewater sludges for soil amendment at the Smokey Mountain Smelters site in Knoxville, Tennessee: EPA Site ID: A4MD / CERCLIS ID: TND09807**

This letter is to formally notify that the U.S. Environmental Protection Agency's intention to utilize wastewater sludge as a soil amendment at the Smokey Mountain Smelters site ("Site") located at 1508 Maryville Pike, Knoxville, Tennessee. The Site is the former location of an aluminum recycling and smelting operation that operated in the 1990s. The primary feature and focus of EPA's attention at the Site was the secondary smelter waste or spoils ("saltcake") from the former aluminum recycling operations. From July 2010 through May 2011 EPA and its contractors conducted a time-critical removal action to remove the former operations building and contour the Site to minimize off-site migration of leachate that contained high salinity, metals and low concentration of organic contaminants. A stockpile of saltcake, reacted dross, and a four acre landfill was covered with a clay cap and topsoil. In May 2011 the Site was hydroseeded with a mixture of grasses that did not successfully germinate. Primarily because the seeding was conducted late in the Spring and not an optimal time for germination. The clay and topsoil was analyzed for organic/inorganic & metals constituents but not pH.

The cap and diversion channels have proven successful regarding the goals of the removal activity for leachate and sedimentation control, but it is important that the soil/clay cap be maintained with a stable vegetative cover. Our research has directed us to Synagro and the sludge product that could amend the topsoil and enhance the success of seed germination.

If you have any further questions or would like to discuss this matter further, please feel free to contact me at 404.434.8837.

Thank you for your consideration on this matter.

David Andrews  
Federal On-Scene Coordinator  
USEPA Region 4  
61 Forsyth Street, S.W.  
Atlanta, GA 30303

cc: **Tennessee Department of Environment & Conservation / Mr. John West**  
**Knoxville Utilities Board / 4505 Middlebrook Pk, Knoxville, TN / Mr. Wayne Loveday**  
**Synagro Technologies, 2015 Neyland Drive, Knoxville, TN / Mr. Daniel Dodson**



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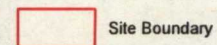
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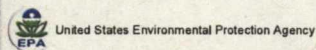
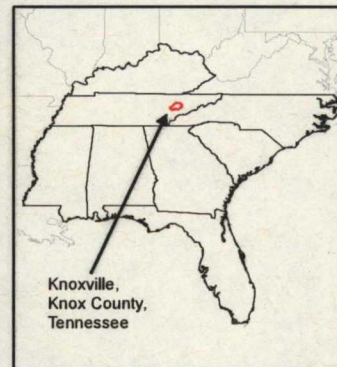
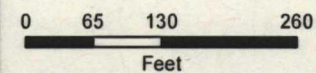
## Legend



Site Boundary



Creek



**SMOKEY MOUNTAIN SMELTER**  
**KNOXVILLE,**  
**KNOX COUNTY,**  
**TENNESSEE**  
 TDD No. TNA-05-001-0112

**SITE LOCATION**  
**JULY 19, 2011**

